

Interoffice Memorandum

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Date: March 7, 1997

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TABLE OF CONTENTS

ORTHODONTIC PRODUCTS	4
A. NEW PRODUCT DEVELOPMENT ACTIVITIES	4
<u>TYPE I (Built In-House)</u>	
AI-1. <i>Alexander Spirit</i> Brackets	4
AI-2. Self-Ligating Brackets (Dr. Wildman)	4
AI-3. <i>Alexander</i> Flat Bow Retainer Wires with Omega Loops	4
AI-4. AEZ Instruments	4
a. Flush-Cut Distal-End Cutter	5
AI-5. Textured Molar Bands	5
AI-6. Burstone <i>Orthos</i> Cuspid Brackets with Horizontal Tube	5
AI-7. Molded Mini-Stick <i>Power Os</i>	5
AI-8. Bite Turbo Bracket	6
AI-9. Tooth Shaped Pad	6
AI-10. <i>Orthos-AD</i> Alexander Discipline Appliance System	6
AI-11. Mandibular Anterior Repositioning Appliance (Dr. Eckhart)	7
AI-12. Low Cost RPE	7
AI-13. <i>Orthos</i> Carriere Bracket	7
AI-14. <i>Orthos</i> Lip Bumper	8
AI-15. <i>Orthos</i> Weldable Bicuspid	8
<u>TYPE II (Outside Vendor)</u>	
<u>TYPE III (Product Modifications)</u>	
B. RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS	8
<u>TYPE I (Built In-House)</u>	
BI-1. <i>Orthos-AD/AP</i> Alexander Discipline Asian Prescription Appliance System	8
BI-2. <i>CustomR_x</i> Custom Labial Appliance System	9
BI-3. <i>CustomR_x</i> Custom Lingual Appliance System	9
BI-4. Adhesive Pre-Coated Brackets	10
BI-5. Moisture-Resistant Adhesive	10
BI-6. Wedge-Shaped Neck Strap (Dr. Alexander)	10
BI-7. <i>Orthos CM_F</i> in <i>Spirit MB</i>	11
BI-8. <i>Orthos</i> Adjustable Placement Gauge	11
BI-9. <i>Orthos AD</i> in <i>Spirit MB</i>	11
BI-10. Aluminum Bracket	11
BI-11. Ni-Ti Ligatureless Bracket	12
BI-12. Titanium Brackets	12
BI-13. Titanium Buccal Tubes	12
BI-14. Titanium Bands	13
BI-15. Material Research	13
BI-16. Uni-Bracket Packaging	13
BI-17. <i>Ormco</i> Class II Jumper	14
BI-18. <i>Wildman</i> Lingual Bracket	14
BI-19. Arch Measuring Template	14
BI-20. <i>Takemoto</i> Lingual Appliance	15
BI-21. Single-Piece Bracket	15
BI-22. Titanium Alloy Wire	15
BI-23. Power Chain Dispensing System	16
BI-24. Occlusally Offset Molar Pads	16

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BI-25. Improved Power Chain	16
BI-26. Gold Arches	16
BI-27. MARA Three Jaw Plier	17
BI-28. MARA Torque Tool	17
<u>TYPE II (Outside Vendor)</u>	17
BII-1. Reverse-Curve <i>Copper Ni-Ti</i> Archwires	17
BII-2. Disinfectant Solution	18
BII-3. Titanium Buccal Tube - MIM Process	18
C. PRODUCT IMPROVEMENT / MANUFACTURING SUPPORT ACTIVITIES	18
C-I. <i>AOA</i> (Laboratory) Engineering Support	18
C-II. CE Marking	19
C-III. Bracket Placement Process Improvement	20
C-IV. Gold Bracket Alternative Vendor	20
C-V. AEZ / ETM Instrument Support	20
C-VI. Improved Optimesh	20
D. OTHER DEPARTMENT ACTIVITIES	21
D-I. Capital Appropriation Requests	21
D-II. Custom Braze	21
ENDODONTIC PRODUCTS	21
A. RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS	21
AI-1. Post Remover Kit	21
AI-2. Buchanan Hand Plugger	22

ORTHODONTIC PRODUCTS**B. RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS****TYPE I (Built In-House)**

BI-2. CustomRx CUSTOM LABIAL APPLIANCE SYSTEM (Project 853-E Craig Andreiko/Eric Chapoulaud)

a. **Lab Reopening** (Craig Andreiko)

1) **Accomplishments / Status**

Completed a first draft of a schedule leading to 5 clinical cases using 3D Jigs

2) **Goals For March**

Review the plan draft.

3) **Major Project Milestones**

To be set according to the plan review

b. **3D Digitizing** (Eric Chapoulaud)

1) **Accomplishments / Status**

3D Scanning of the upper jaw of a P.K THOMAS model.

Developed functions in the model acquisition application to position brackets on the scanned teeth. Using the STL files from Spirit brackets, an appliance was set-up on the P.K. THOMAS model, and the corresponding wire was mathematically computed.

2) **Goals For March**

According to the plan draft, we will create a Set-up application allowing us to manually position wires, brackets and tube and calculate the corresponding appliance on the P.K. THOMAS upper model.

Manufacture the Brackets and the wire

Start the bracket attachment and tooth registration part of the 3D Jig

3) **Major Project Milestones**

To be set according to the plan review: (3D Jig Design Review: May 1997).

BI-3. CustomRx CUSTOM LINGUAL APPLIANCE SYSTEM (Project 953-E; Craig Andreiko/Eric Chapoulaud)

a. **Accomplishments / Status**

b. **Goals For March**

c. **Major Project Milestone**

Re-evaluate project once 3D scanning & jig fabrication is completed.